

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111374 A1

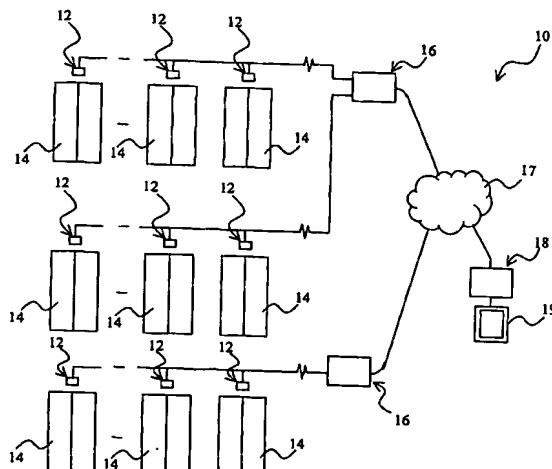
- (51) International Patent Classification⁷: **E05F 15/20**, H04N 7/18
- (21) International Application Number: **PCT/SE2004/000946**
- (22) International Filing Date: 16 June 2004 (16.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/478,341 16 June 2003 (16.06.2003) US
- (71) Applicant (for all designated States except US): **WESPORT AB [SE/SE]**; Scheelevägen 19 C, S-223 70 Lund (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHRISTENSSON, Lennart [SE/SE]**; Getgatan 11, S-216 14 Limhamn (SE). **LARNE, Henrik [SE/SE]**; Stålbrogatan 9, S-222 24 Lund (SE). **HOLMQVIST, Lars [SE/SE]**; Svanegatan 6, S-222 24 Lund (SE).
- (74) Agent: **AWAPATENT AB**; Box 5117, S-200 71 Malmö (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,

[Continued on next page]

(54) Title: SENSOR ARRANGEMENTS, SYSTEMS AND METHOD IN RELATION TO AUTOMATIC DOOR OPENERS



(57) Abstract: A sensor arrangement controls opening and closing of a door device. The sensor arrangement is arranged to be mounted in the vicinity of the door device. The sensor arrangement comprises an image-acquiring means, which monitors and acquires images of a field of view that encompasses at least an approach area located adjacent said door device, and a movement detector, which is arranged to process the acquired images in order to detect a movement, which is to result in an opening of the door device. The sensor arrangement also comprises an event generator, which is arranged to process information regarding said door device and said field of view in order to identify at least one event according to predetermined criteria, wherein the event generator in response to an identification of an event creates a recording of the event. An event-based system for managing a plurality of sensor arrangements is also provided.

WO 2004/111374 A1



JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.